Amendments to the Claims

1. (Currently Amended) A coating composition for an ink jet recording medium comprising a synthetic resin emulsion having emulsion particles with a particle diameter of 100 nm or less and colloidal silica, wherein said synthetic resin emulsion ~~being obtained by, in the presence of (A) an emulsifier containing a radically polymerizable emulsifier having sulfonic acid groups,~~ is produced by emulsion-polymerizing (B) an unsaturated monomer having silyl groups and (C) an unsaturated monomer having six-membered rings as side chains in the presence of (A) an emulsifier containing a radically polymerizable emulsifier having sulfonic acids and, optionally, (D) another radically polymerizable unsaturated monomer which is copolymerizable with (B) and (C).

2. (Currently Amended) A coating composition for an ink jet recording medium as claimed in claim 1, ~~which comprises a~~ wherein the synthetic resin emulsion ~~obtained through said emulsion-polymerization using~~, based on the nonvolatile content of the synthetic resin emulsion ~~in each case,~~ comprises 0.5 to 5.0 % by weight of the radically polymerizable emulsifier having sulfonic acid groups contained in (A), 0.1 to 15 % by weight of (B), 59 to 98% by weight of (C) and 0 to 39 % by weight of (D).

3. (Currently Amended) A coating composition for an ink jet recording medium as claimed in claim 1 ~~or 2~~, wherein (C) is at least one monomer selected from the group consisting of styrene, α-methylstyrene, cyclohexylacrylate and cyclohexylmethacrylate.

4. (Currently Amended) A coating composition for an ink jet recording medium as claimed in ~~any one of claims 1 to 3~~claim 1, wherein (D) is an alkyl (meth)acrylate ~~and~~ or an unsaturated carboxylic acid.

5. (Currently Amended) A coating composition for an ink jet recording medium as claimed in ~~any one of claims 1 to 4~~claim 1, wherein the particle diameter of the emulsion particles of the synthetic resin emulsion is 80 nm or less~~, preferably 50 nm or less~~.

6. (Currently Amended) A coating composition for an ink jet recording medium as claimed in ~~any one of claims 1 to 5~~claim 1, wherein the particle diameter of the colloidal silica is 100 nm or less~~, preferably 50 nm or less~~.

7. (Currently Amended) A coating composition for an ink jet recording medium as claimed in ~~any one of claims 1 to 6~~claim 1, wherein the amount of colloidal silica incorporated is 10 to 900 % by weight relative to the synthetic resin emulsion based on the nonvolatile content.

8. (Currently Amended) An ink jet recording medium comprising at least one ink fixation layer, a recording medium having at least one side and a coating composition for an ink jet recording medium as claimed in claim 1, wherein ~~an~~ the at least one ink fixation layer ~~or layers comprising~~ includes a pigment, a binder and a cationic ink fixation agent, wherein the at least one ink fixation layer resides on the at least one side ~~is or are provided on either or both sides of a~~ of the recording medium substrate, and ~~a~~ wherein the coating composition for an ink jet recording

medium ~~as claimed in any one of claims 1 to 7 is then applied onto the ink fixation layers or onto either one of the layers~~resides on the at least one ink fixation layer.

9. (Currently Amended) An ink jet recording medium comprising a substrate having a pigment and a cationic fixation agent within the interior of the substrate, ~~wherein~~ and a coating composition for an ink jet recording medium as claimed in ~~any one of claims 1 to 7 is applied onto a~~claim 1 residing on the substrate ~~which, in the inside, contains a pigment and a cationic fixation agent~~.

10. (New) A coating composition for an ink jet recording medium as claimed in claim 1, wherein the particle diameter of emulsion particles of the synthetic resin emulsion is 50 nm or less.

11. (New) A coating composition for an ink jet recording medium as claimed in claim 1, wherein the particle diameter of the colloidal silica is 50 nm or less.

12. (New) A method of making a synthetic resin emulsion comprising the step of emulsion-polymerizing (B) an unsaturated monomer having silyl groups and (C) an unsaturated monomer having six-membered rings as side chains in the presence of (A) an emulsifier containing a radically polymerizable emulsifier having sulfonic acids and, optionally, (D) another radically polymerizable unsaturated monomer which is copolymerizable with (B) and (C).

13. (New) A coating composition for an ink jet recording medium comprising colloidal silica and a synthetic resin emulsion made in accordance with the method of claim 12.

14. (New) A coating composition for an ink jet recording medium as claimed in claim 13, wherein the synthetic resin emulsion includes emulsion particles having a particle diameter of 100 nm or less.

15. (New) A coating composition for an ink jet recording medium as claimed in claim 14, wherein the particle diameter of the emulsion particles is 50 nm or less.

16. (New) A coating composition for an ink jet recording medium as claimed in 13, wherein the particle diameter of the colloidal silica is 100 nm or less.

17. (New) A coating composition for an ink jet recording medium as claimed in claim 13, wherein the particle diameter of the colloidal silica is 50 nm or less.

18. (New) A recording medium comprising a substrate and a coating composition for an jet recording medium as claimed in claim 13 residing on the substrate.

19. (New) The recording medium as claimed in claim 18, wherein the substrate has at least one surface and at least one ink fixation layer residing on the surface, wherein the at least one ink fixation layer comprises a cationic ink fixation agent and a binder, and wherein the coating composition resides on the at least one fixation layer.

20. (New) The recording medium as claimed in claim 18, wherein the substrate has an interior, wherein the interior includes a pigment a cationic fixing agent.